

TOWN OF MIDDLEBURY VERMONT

94 MAIN STREET, MIDDLEBURY VT 05753

Information
388-4041

Town Clerk
388-8102

Town Manager
388-8100

Recreation
388-8103

Lists Office
388-8108

Planning/Zoning
388-8105

Accounting
388-8101

Water Billing
388-4047

Business Manager
388-8107

Public Works
388-4045

Wastewater Plant
388-0498

Fax 388-4364



OW

June 28, 2010

Ms. Liz Dickson
Agency of Natural Resources
Department of Environmental Conservation
Wastewater Management Division
103 South Main Street – Sewing Building
Waterbury, Vermont 05671

Dear Liz:

I have enclosed the Operation, Management and Emergency Response Plan for the sewage collection system of the Town of Middlebury.

Please find the enclosed a disk which has the Town of Middlebury utility system on it for your review and records. Also please find the line cleaning and maps of areas within Middlebury that we have worked on within the last several years.

Also, there will be hard copy sent to you of the whole system map for your records. This map was quite large and needed to go in a separate container.

If there is more information that you will need, please contact me.

Sincerely,

Robert Wells, Wastewater Superintendent
Cc: Bill Finger, Town Manager
Dan Werner, Director of Operations



Town of Middlebury Wastewater Collection System:

The majority of the wastewater collection system is between 0 and 50+ years old and constructed of SDR-35 PVC, Orangeburg pipe, ABS, AC, HDPE and ductile iron pipe. The oldest area of the system, within the village core, was constructed in and around 1962, the construction period of the original Primary Treatment Wastewater Facility.

The next round of sewer line construction took place around 1977 where the Primary Treatment Facility was upgraded to a Secondary Treatment Facility. Pumping stations and sewer lines were added or modified in the south, east and north east of the town.

In 2000 a new wastewater treatment plant was opened up in the north of town and the then existing treatment plant was demolished leaving the lift station to act as the main pumping station to deliver the wastewater to the new treatment plant.

Line Cleaning:

Every year we have a portion of the lines cleaned by an outside contractor. This usually goes for a one week period. As the lines are being cleaned problems or potential problems are noted to the Director of Operations. The Director of Operations then takes this information and uses it to develop a line replacement schedule which will be coordinated with water line replacement and road rehabilitation.

When we complete the scheduled line cleaning for that year we then start a list of lines to be cleaned for the upcoming year.

Enclosed please find a map of the lines cleaned in each of the years from 2007-2009.

2007

- Exchange Street to Sears building toward railroad tracks.
- Gravity line on east side of Weybridge Street to Shannon Street.
- Court Street from Mary Hogan Drive to Thomas Street.
- Court Square to Buttolph Drive.
- Bakery Lane, before pumping station including gravity line from alley.
- Gravity line from College Street to Route 125 Pumping station.
- Green Mountain Place, from cul-de-sac to intersection.

2008

- Exchange Street to Sears building toward railroad tracks.
- Continue at end of Exchange Street sewer line to Seymour Street to Lucius Shaw Lane.
- Gravity line on east side of Weybridge Street to Shannon Street.
- Court Street from Mary Hogan Drive to Thomas Street.
- Court Square to Buttolph Drive.

- Danyow Drive, full loop to Rogers Road.
- Swanage Court to Woodland Park (line that runs cross lot).
- Woodland Park to Brookside Drive.
- Fairview Circle to Monroe Street.
- Behind Phinney's paint to High School.
- Peterson Terrace to end of line

Collection System Repairs/Infiltration:

During the execution of line maintenance and inspection the following issues/concerns have been noted.

INFILTRATION:

1. Manhole North of Otter Creek Brewery, leaks ~ replace manhole.
2. Co-Op Insurance on Colonial Drive, Manhole needs to be replaced, drainage ditch needs to be looked at, reworked.
3. Manhole on west side of Route 7, near Field Sports leaks ~ replace manhole.
4. Manhole by Conner Building Supply, east side of Route 7, is covered with water. Manhole leaks, drainage needs to be redone.
5. Seymour Street gravity line from Lucius Shaw Lane to Otterside Apartments leaks. Line is broken up clay tile, takes in infiltration.
6. Two inch storm line crossing Pump Mill Bridge Road is too small, freezes up in the winter then water overflows the catch basin which then leaks into our sewer. Storm line should be replaced with a larger line.
7. Catch basin by the 10,000 gallon fuel tank at the wastewater plant is set too high. Water goes around the catch basin and then makes it way to the under drain of the biofilter which then goes to our pump station at the plant. Lower catch basin and put in a French drain to capture the water and send it to the catch basin.
8. Chicken slaughter/house car wash on Exchange Street – lateral leaking about 51' from manhole on Exchange Street.
9. Abandoned sewer line between Gorham Middle/Gorham South has infiltration. Run old sewer line to the storm line in the area and seal up old line.
10. 200 Morningside – Lateral leaking in groundwater.
11. Emilo – Gorham Lane – Lateral leaking in groundwater. From work on CSO looks to be the town to fix. Talk to Bob, Rick or Jerry...all were there at one time or other.
12. Line going from Peterson Heights to "swamp line" leaking in ground water. This line goes to Seminary Street Pumping Station.

13. REPAIRS ~

14. 670 Buttolph, something obstructing the sewer line, about 3' into the manhole by driveway, looks like conduit (telephone? Power?).
15. Manhole by Seymour Street/Methodist Lane needs to be raised/exposed.
16. Two manholes buried in Peterson Heights. Need to be raised/exposed.
17. Manhole by 248 Weybridge Street brick missing, repair.

18. Industrial line on Seymour Street, sewer line was slip lined leaving no access to the sewer line. Inverts need to be cut out.
19. Overflow manhole by Pump Station #3 needs to be raised. Located to the south of the wet well.
20. Replace overflow line from Pump Station #3 to the river. Line is misaligned and gapped. Line is of clay tile sections, +-3' pieces.
21. Manhole by tracks on Seymour Street, across from Chinese restaurant – possible infiltration – may be possible to abandon this line and plug it.
22. Manhole behind Pool World has infiltration.
23. Private sewer line behind Washington Street Extension has infiltration.
24. Sag in gravity line to Pumping Station #9 needs to be done replaced.
25. Willard Street catch basins tied to sewer.
26. Where does the catch basin on Route 7 North go? This was noticed due to the work done by the State of Vermont while extending the catch basins. Two lines leaving this catch basin, none on our maps.
27. South Street gravity line from end of hospital force main to Green Mountain Place needs to be replaced. Broken clay tile pipe, pipe missing, can't access from upstream or down stream manholes. **THIS IS A DISASTER WAITING TO HAPPEN!**
28. Hospital force main needs to be replaced. ABS pipe, 50 years old+-.
29. Sag Pipe from Weybridge Street. Too old to chance, need to replace line under river ~ directional bore?

COMMENTS/QUESTIONS

1. Catch Basin by 45 Court Street, where does it go?
2. Manhole by RK Miles on Exchange Street – where does it go?

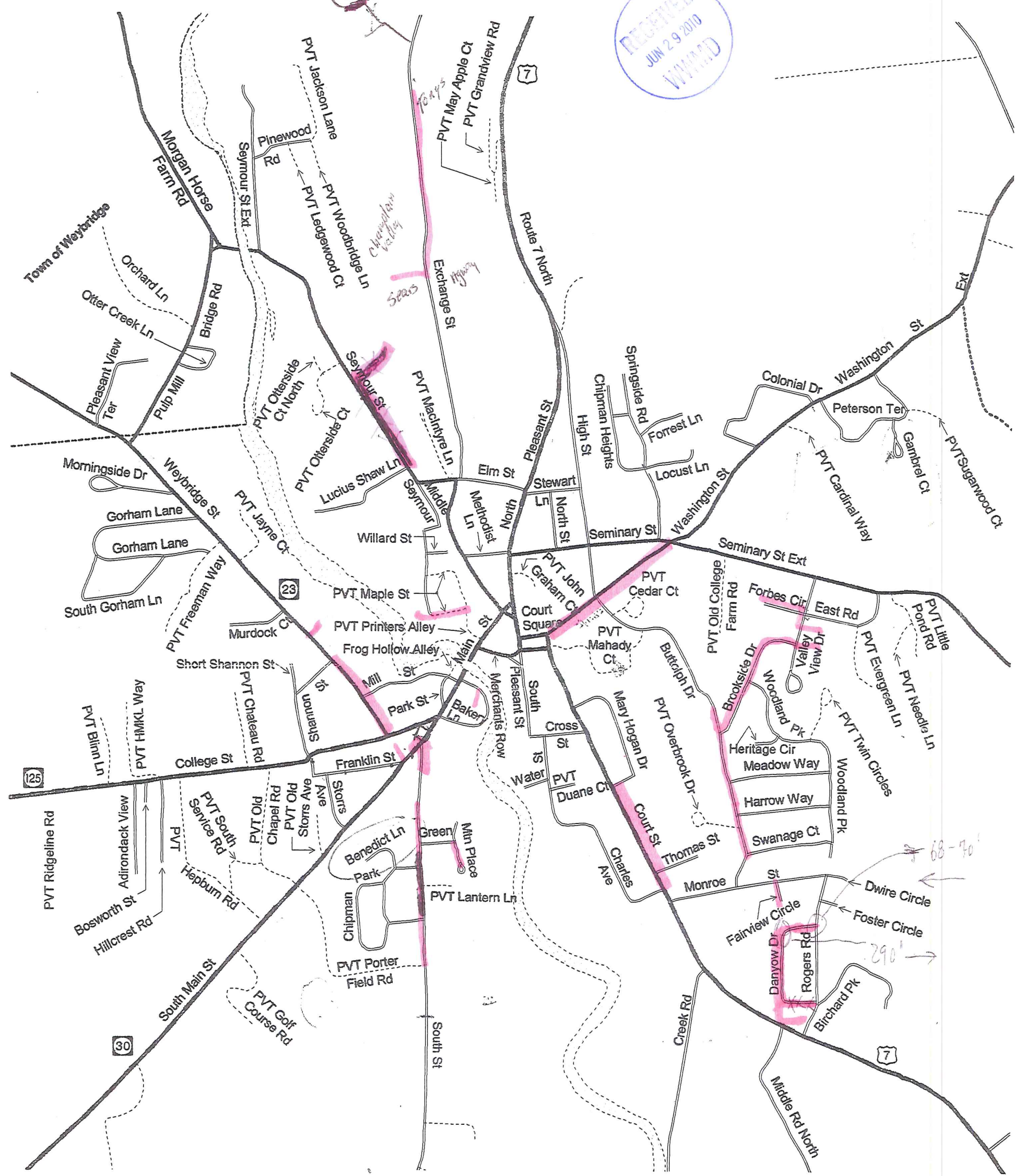
This (list) is updated on a yearly basis and as more issues are brought to our attention they will be added to the list. If items are addressed then they will be taken off the list.

Downtown Area, Town of Middlebury



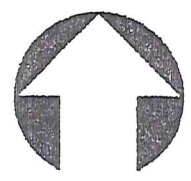
Downtown Area, Town of Middlebury

RECEIVED
JUN 29 2010
WMAD



- Legend
- Town Rd Class 1 or State Rt
 - Town Rd Class 2
 - Town Rd Class 3
 - Town Rd Class 4
 - Forest Rd/Hwy
 - Legal Trail
 - Private Rd

1000 0 1000 2000 Feet



GTS
Addison County Regional
Planning Commission
This map intended for planning purposes

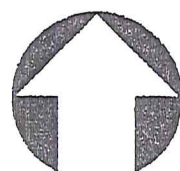
Downtown Area, Town of Middlebury

RECEIVED
JUN 29 2010
WVHMD



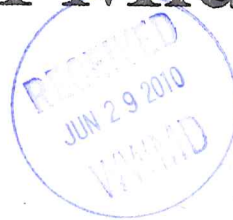
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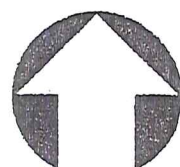
Downtown Area, Town of Middlebury



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